Clojure & Other Friends

"Promiscuous Lisping"

Russ Miles

Simplicity *itself*

Change

Who, How and When

Subjectivity

Software Transaction Memory vs. Type Safety!?

Setting the Scene

Insurance?
Investment Banking?
Media?
Defence?
Search?

A LONG TIME AGO IN A GALAXY FAR, FAR AWAY....

THE PHANTOM MENACE

ATTACK OF THE CLONES

REVENGE OF THE SITH

A NEW HOPE

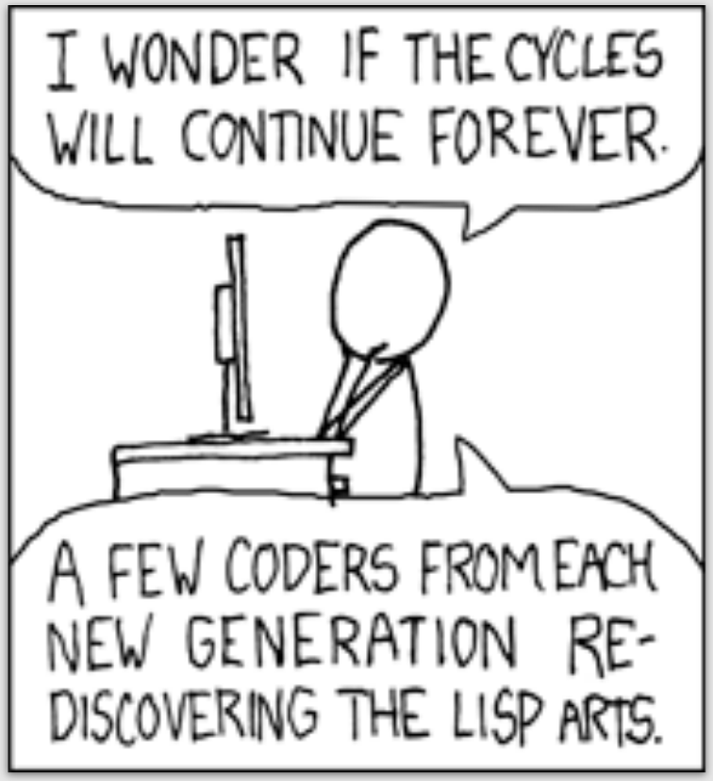
THE EMPIRE STRIKES BACK

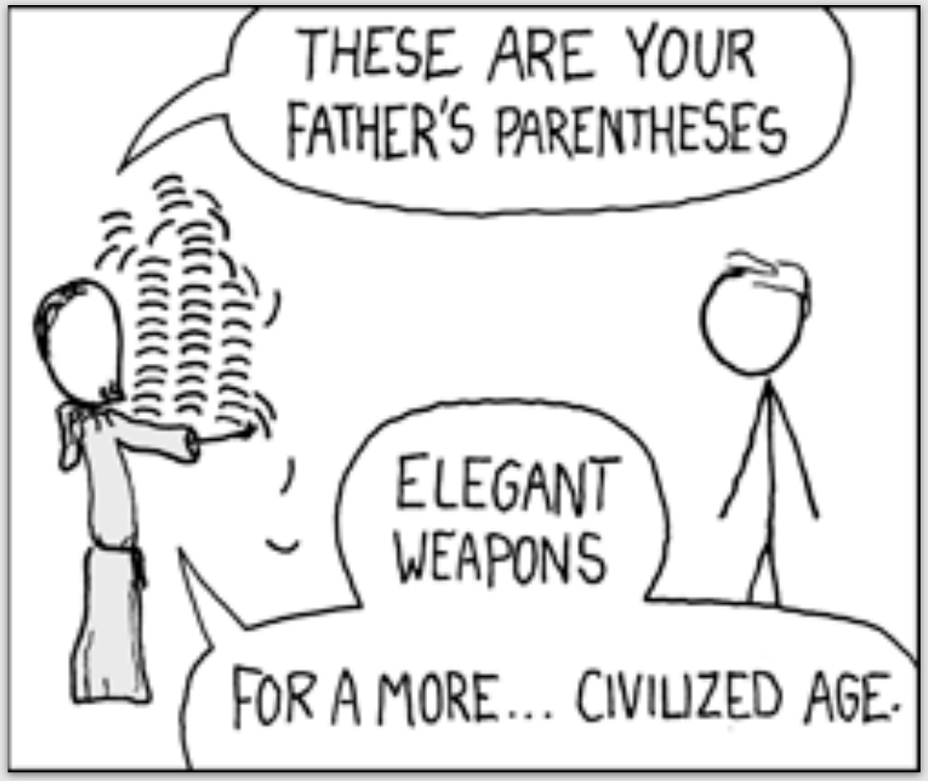
RETURN OF THE JEDI

STAR WARS

Licensing...

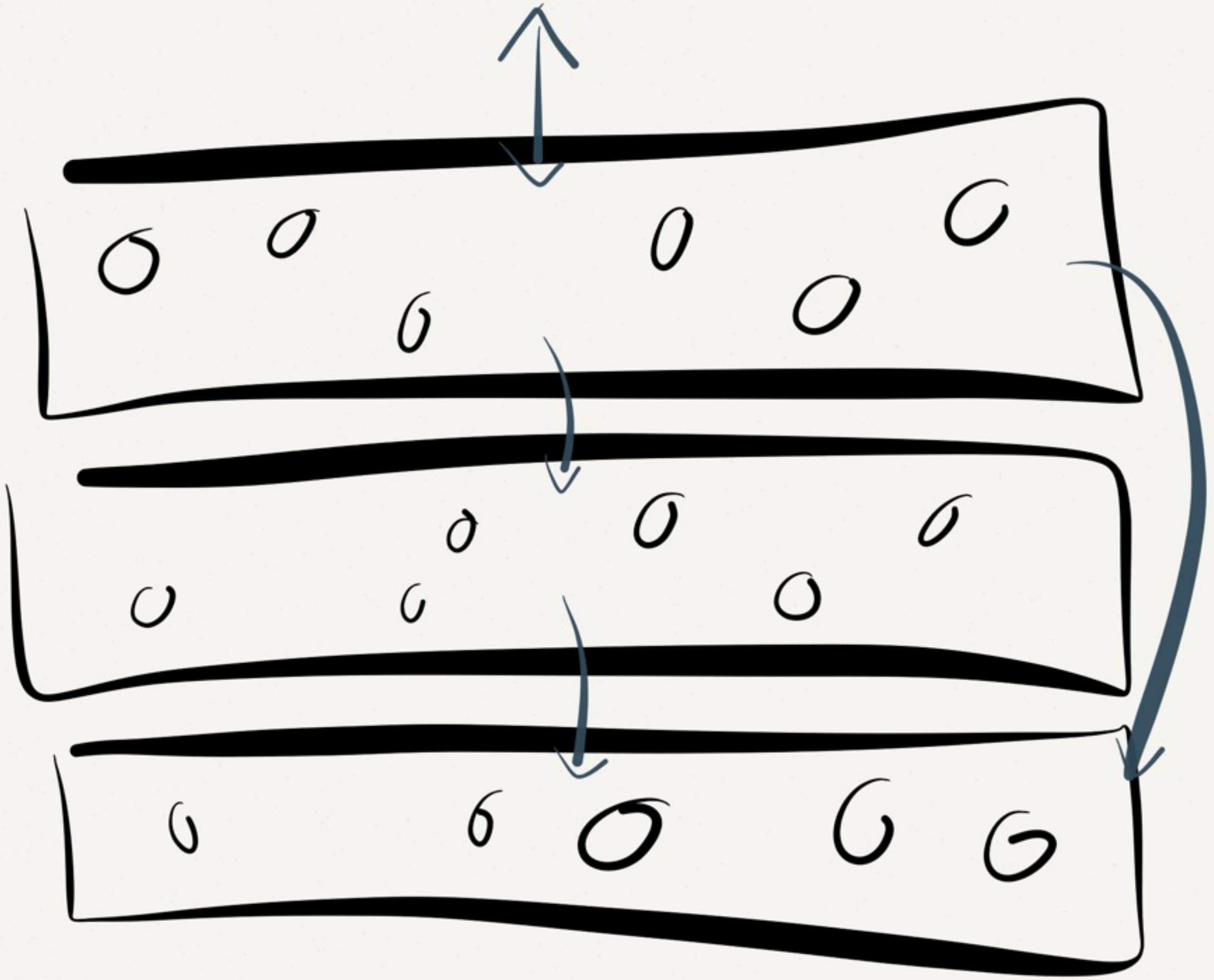
Large-Scale-Battle In-A-Vaccum





http://xkcd.com/297/

“The Republic”



Configured, Integrated

One Architect of All

It Penetrates Us

It Binds Us

It Configure Us?!

The Force!

Spring.

Enterprise

Empire

Java; write once,
run anywhere

Java; everywhere!

Meet Darth Sidious!?

Meet Emperor!?

Meet Chancellor Palpatine...

Key Technical Characteristics

Manages building, configuration, transactions, infrastructure, dictatorship

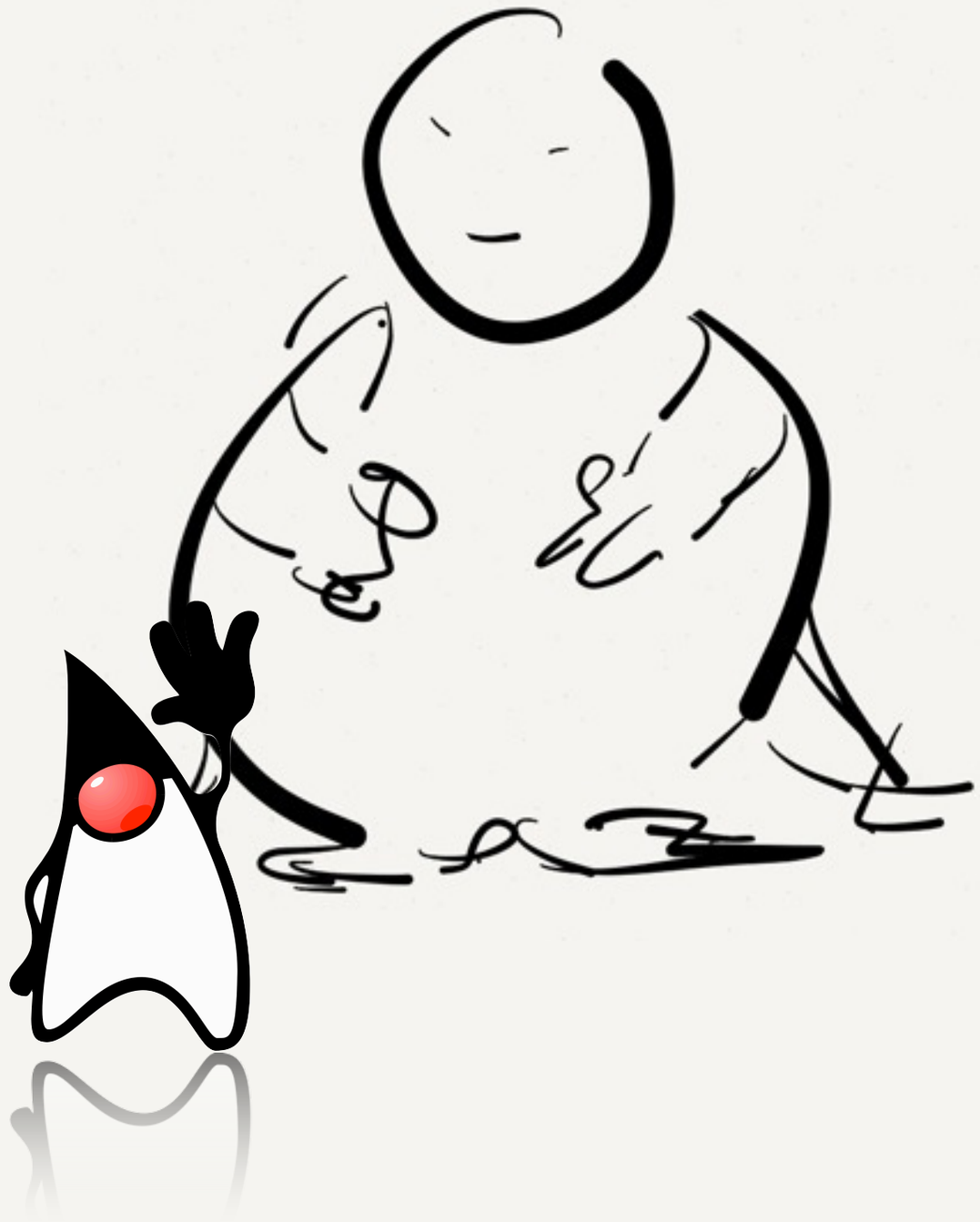
Java? Of course...

Meet Chancellor Palpatine...

Key Technical Characteristics

Manages building, configuration, transactions, infrastructure, dictatorship

Java? Of course...



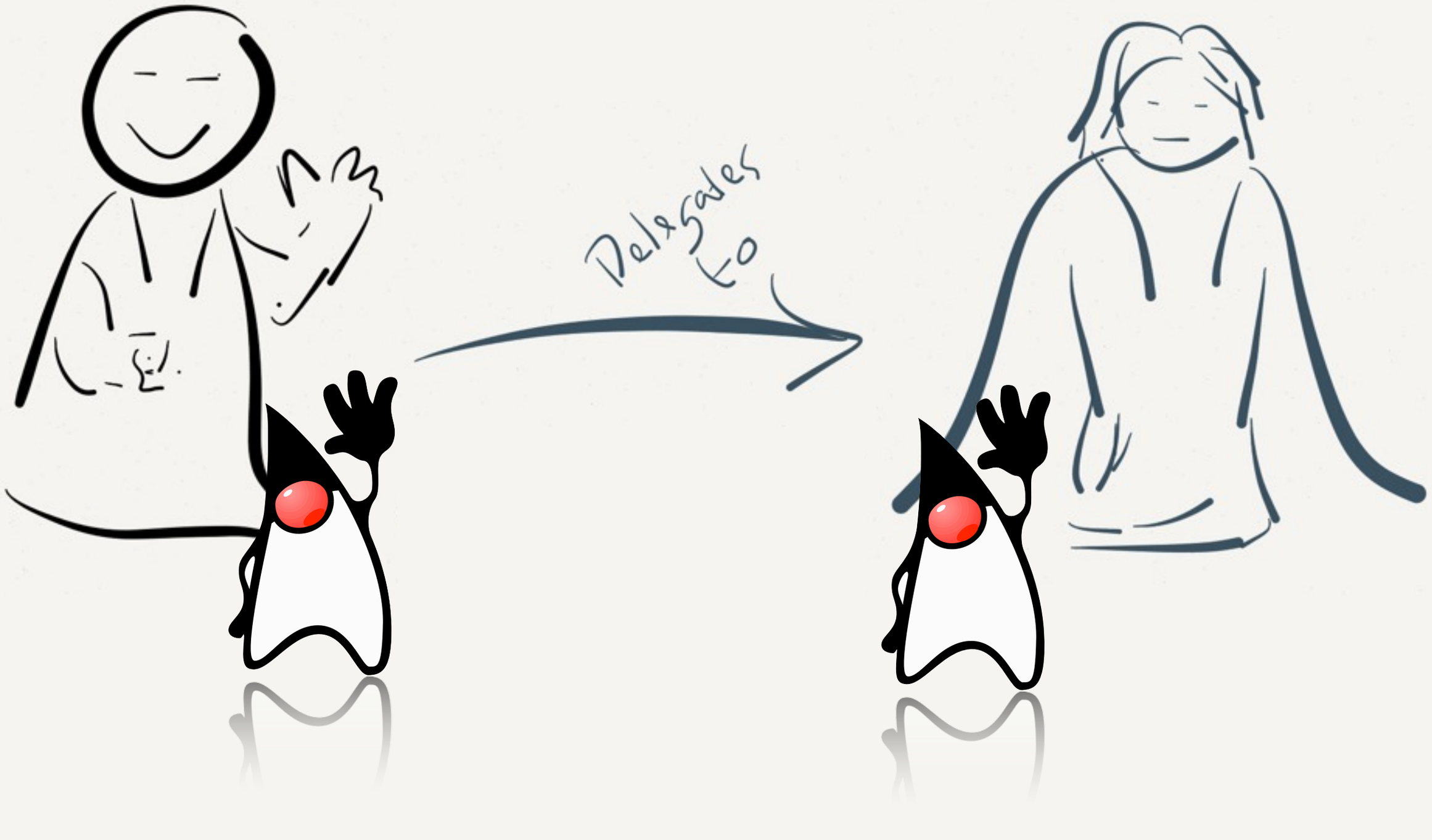
Organise

Reduce

Simplicity

Hide

Palpatine



Anakin

Nasty Side Effects...

Logic

+

Side-effect

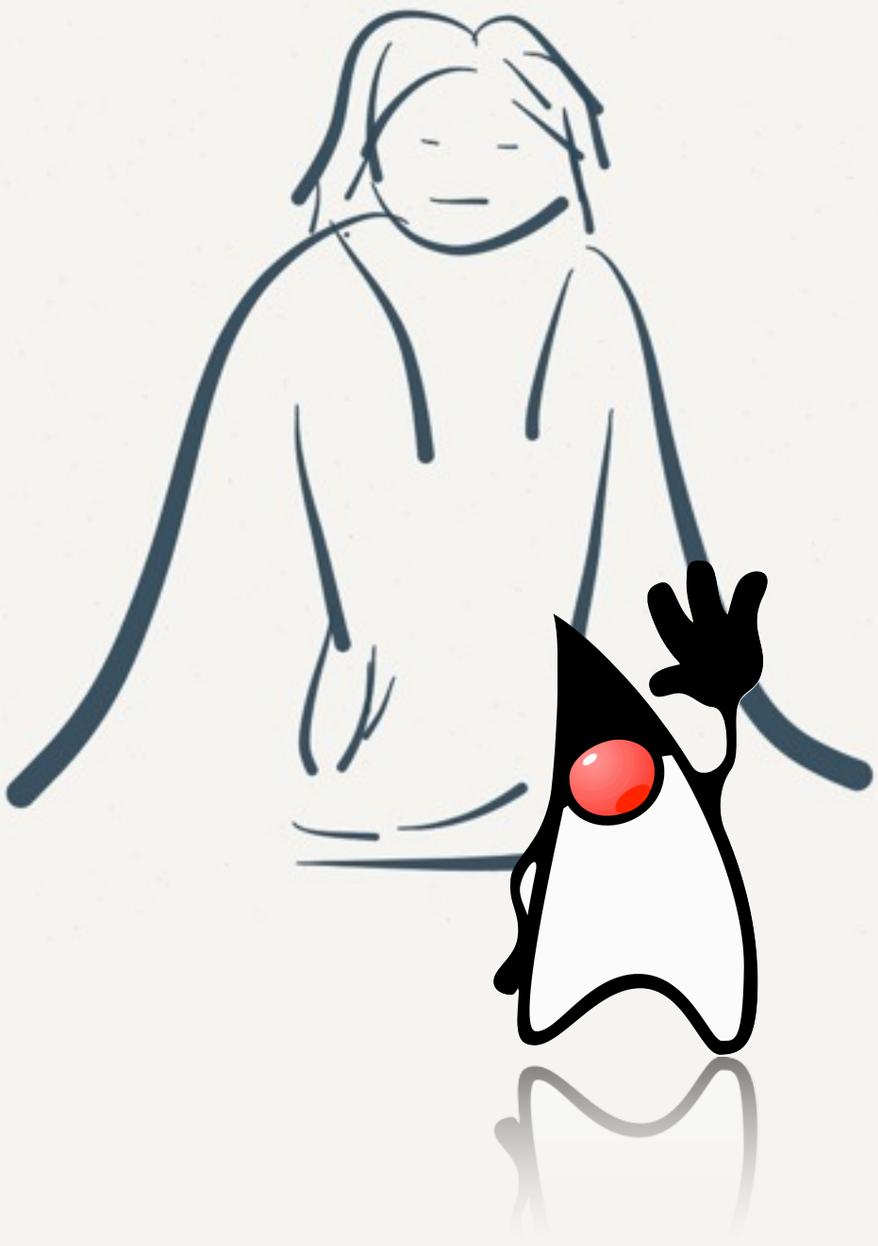
Extract + Hide

Logic

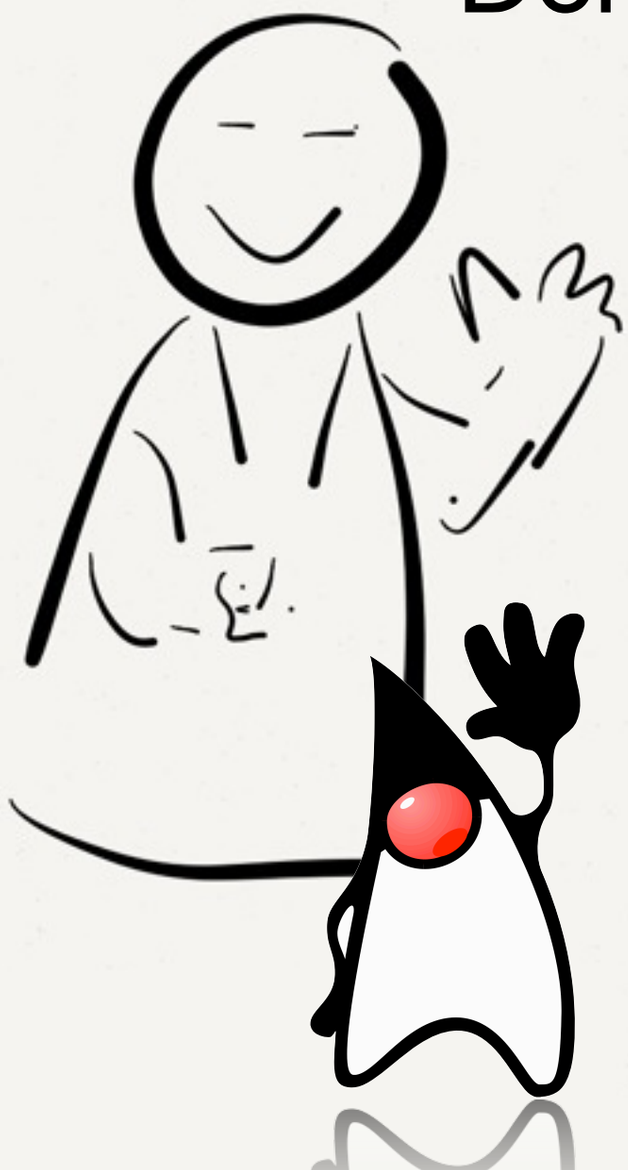
Side effect

I'm so awesome!

Who's he?



Nothing to see here,
Don't worry about it...



Messaging

Web

Configuration

Calls

"Code that makes you £"

Core Logic

Persistence

Tasks

Batch

Simple.

Compound

Biz Services, Functions,

Domain Objects

Clean

Well-tested.

W.S.

Day 2

Day 1

Messaging

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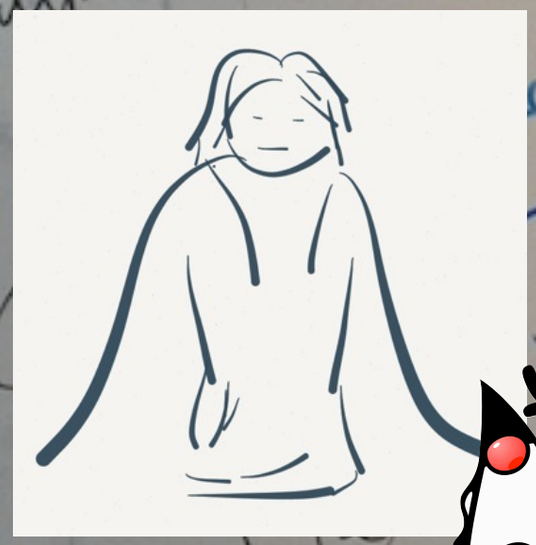
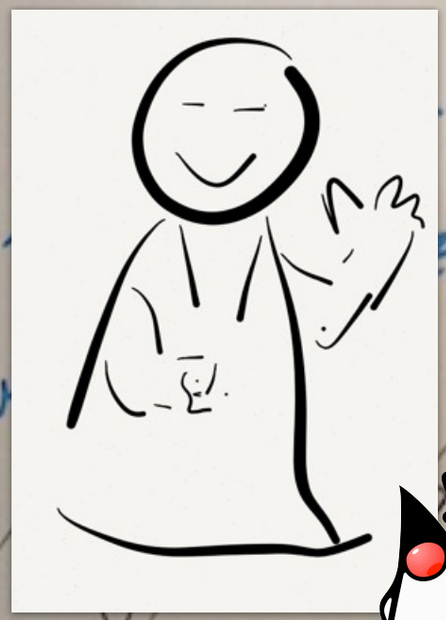
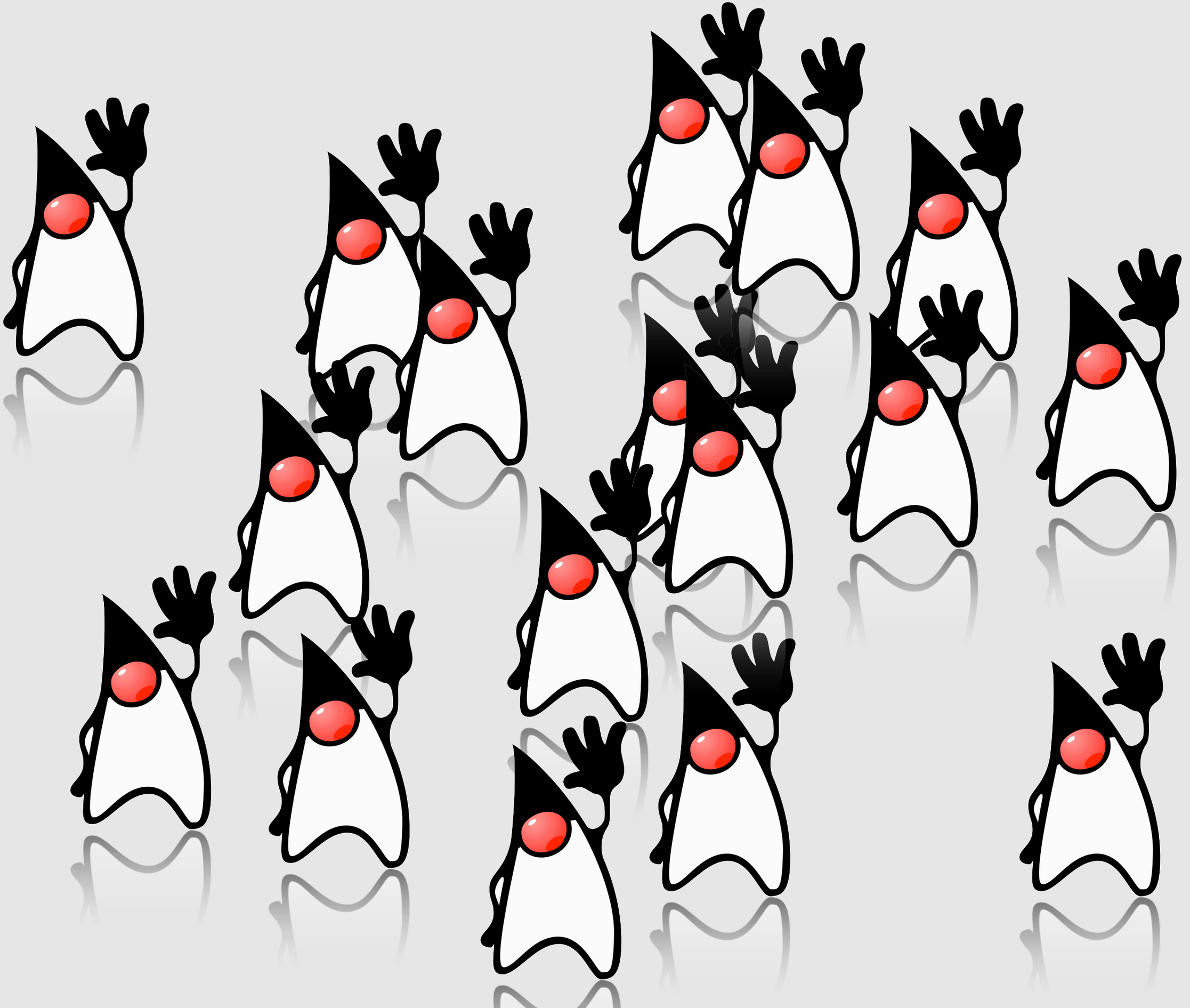




(Still)

Java; everywhere!

Or is it...?



Each component can evolve/change...

Why?

Repurposable

Substitutable

Simple

Component

Movable

Extendable

Combinable

How?

Data Driven APIs

Extract Side FX

Simple Functions

SOLID

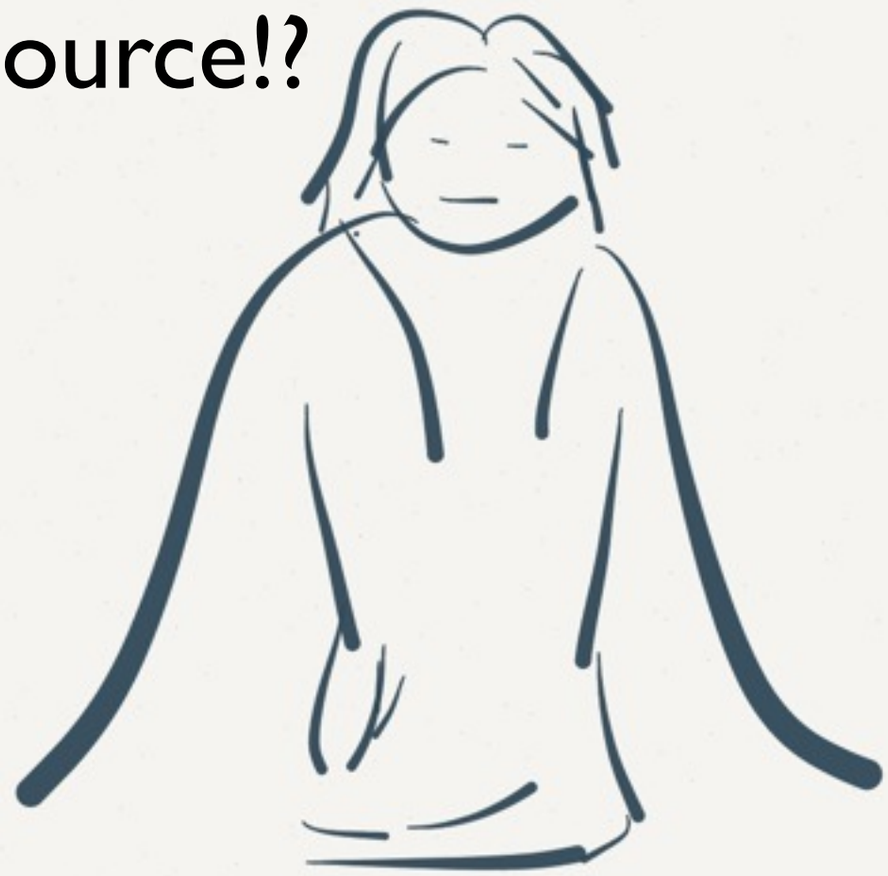
Tested

Organised ⇒ Reduced ⇒ Hidden

Ha, those silly Java classes with their baggage, no Monads...

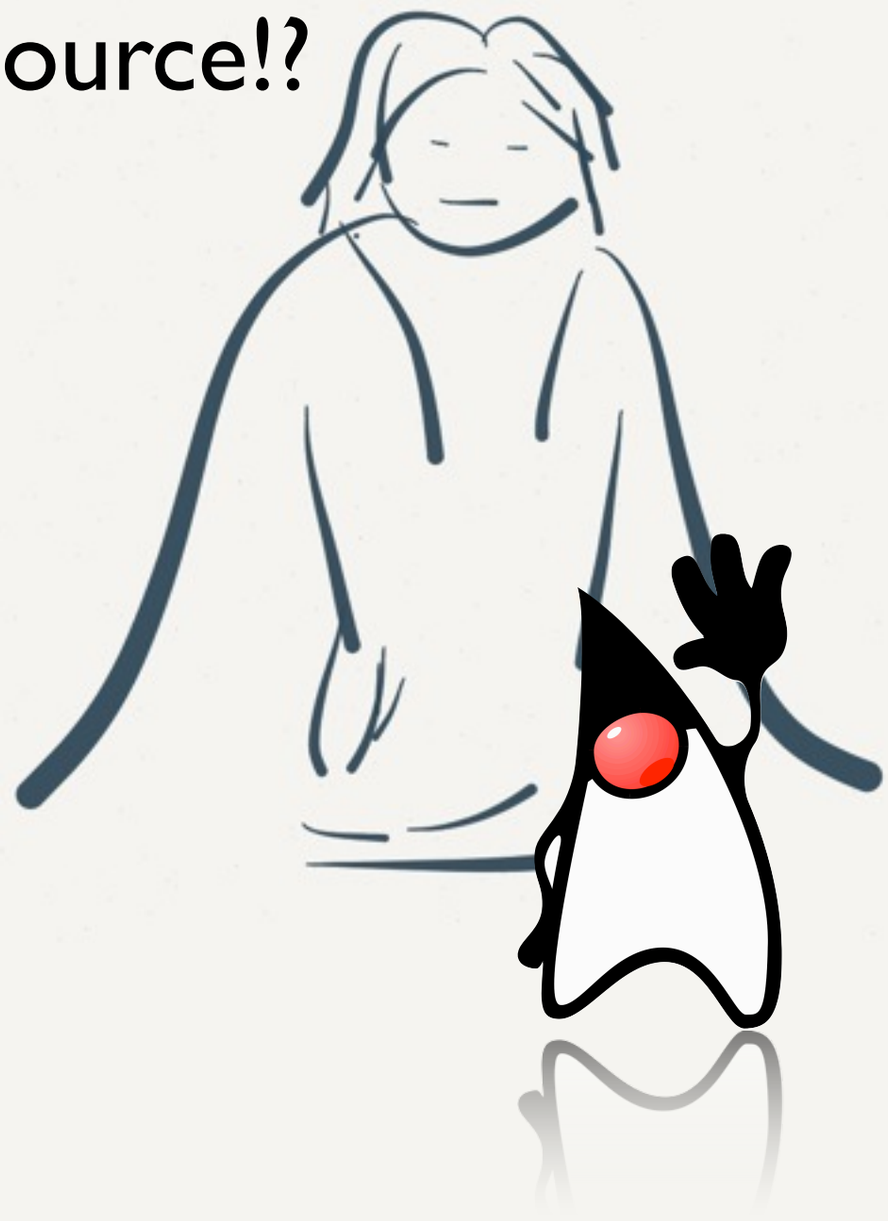
Wah?

Show me your source!?

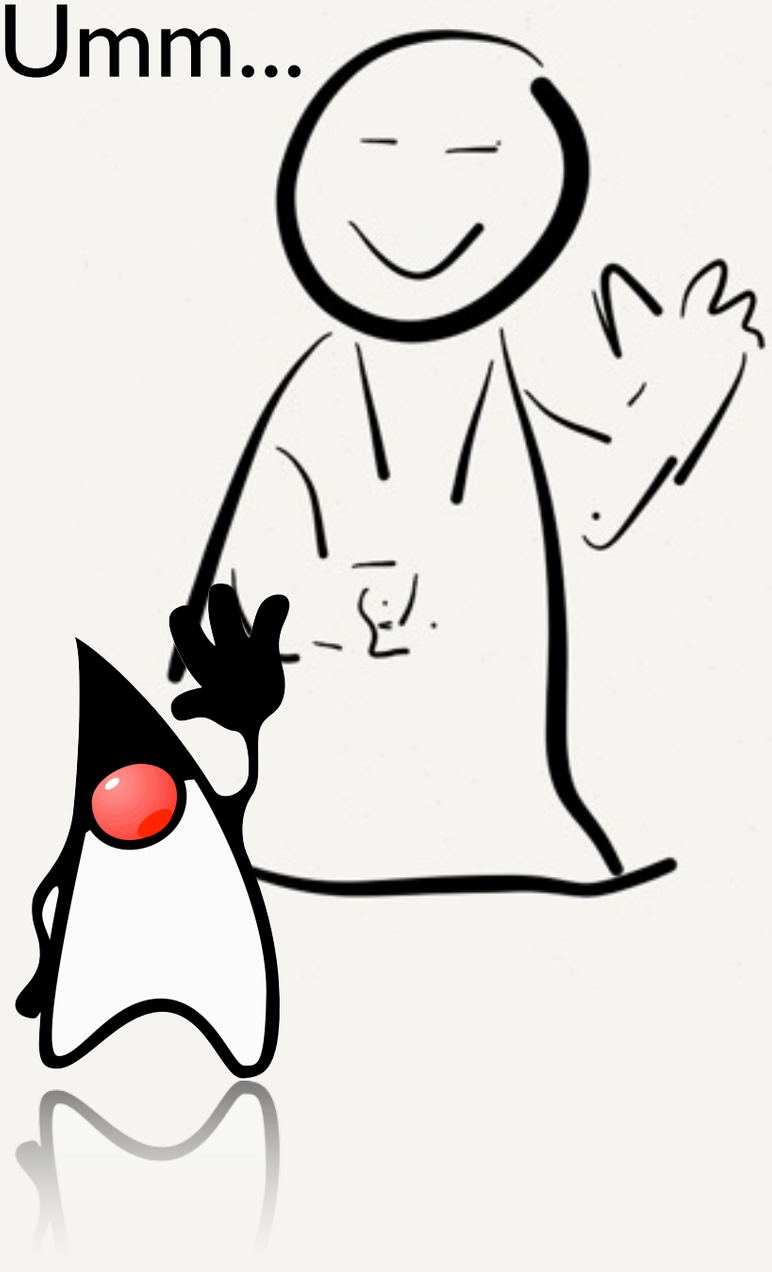


Umm...

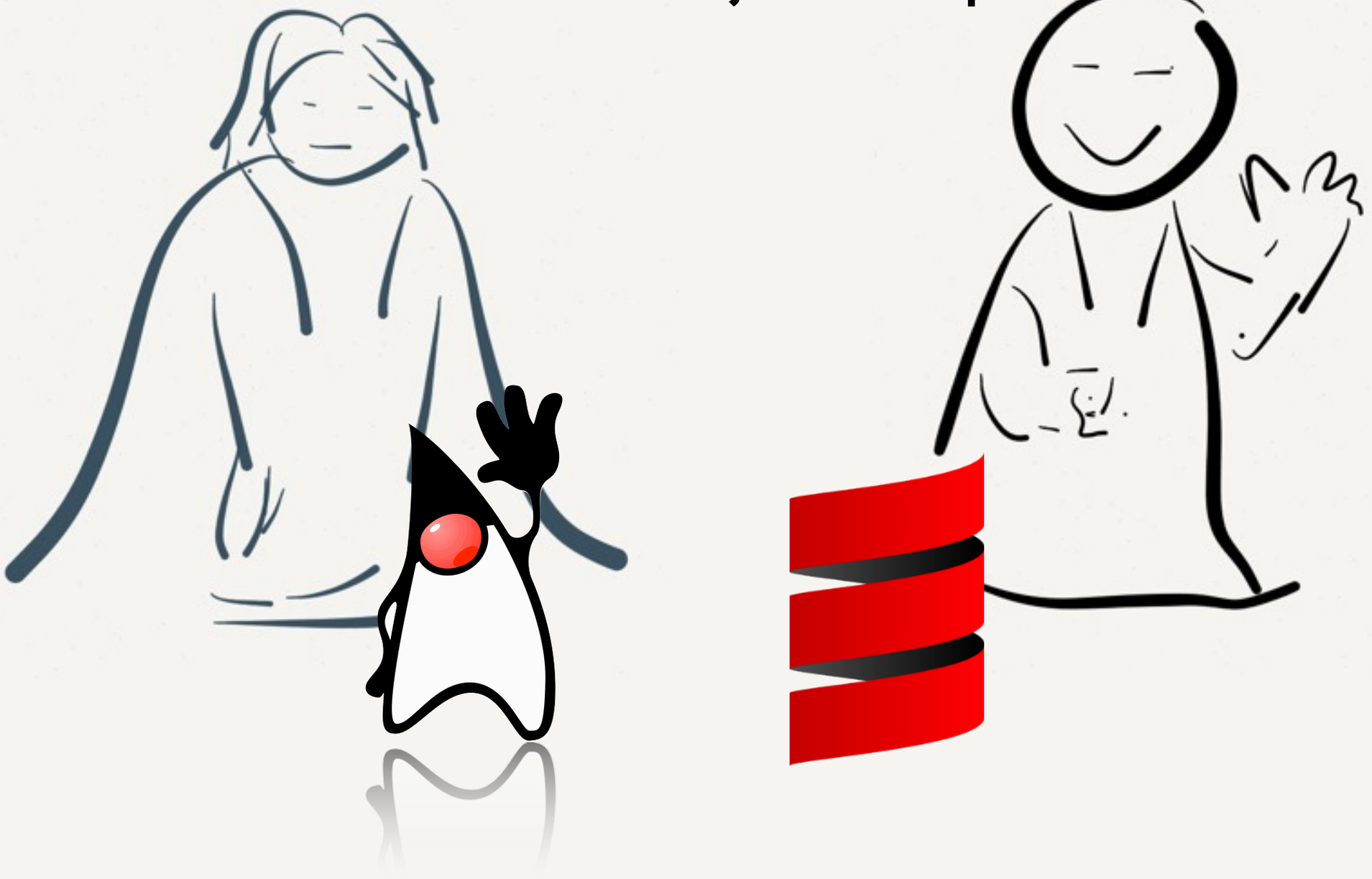
Show me your source!?



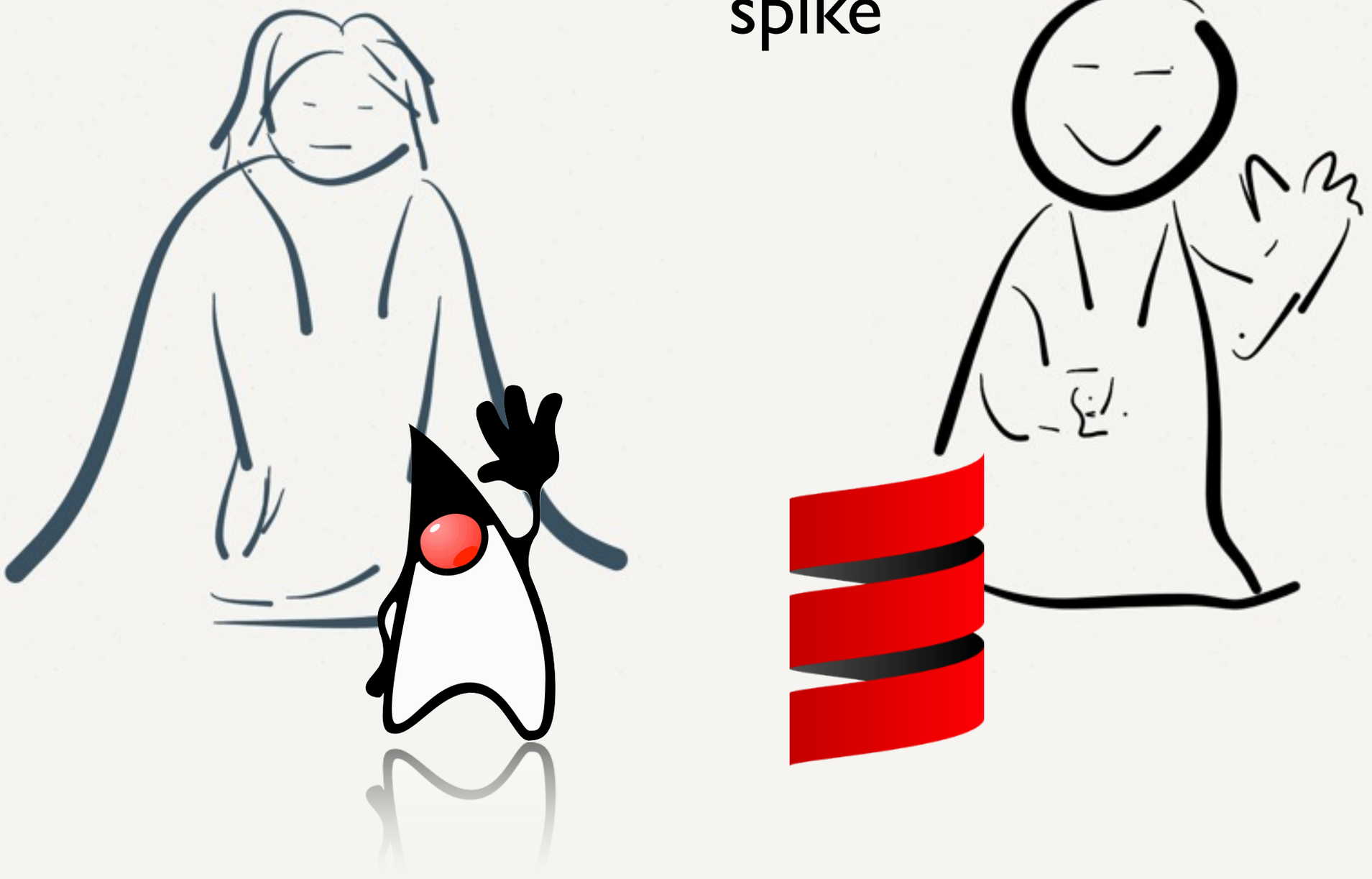
Umm...



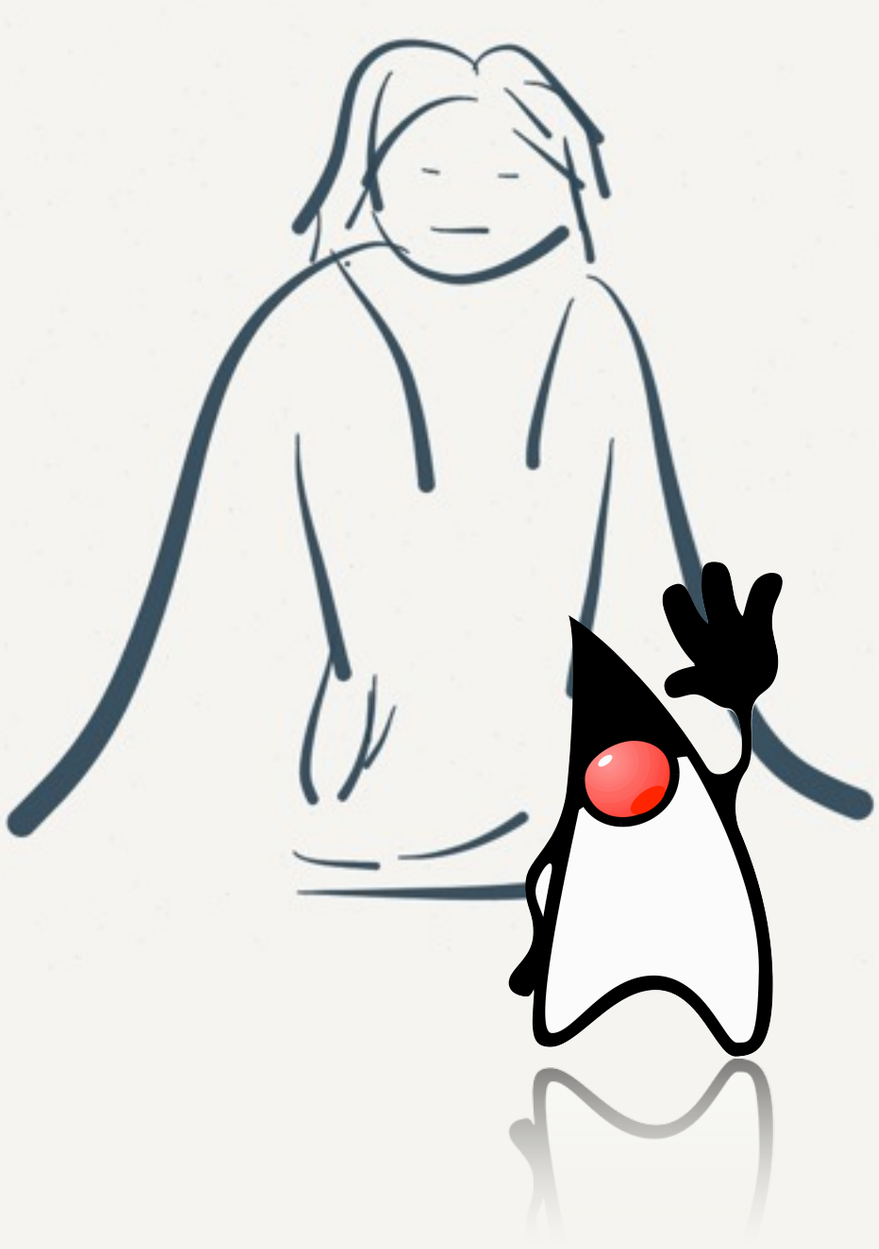
It was just simpler



And I conducted a spike

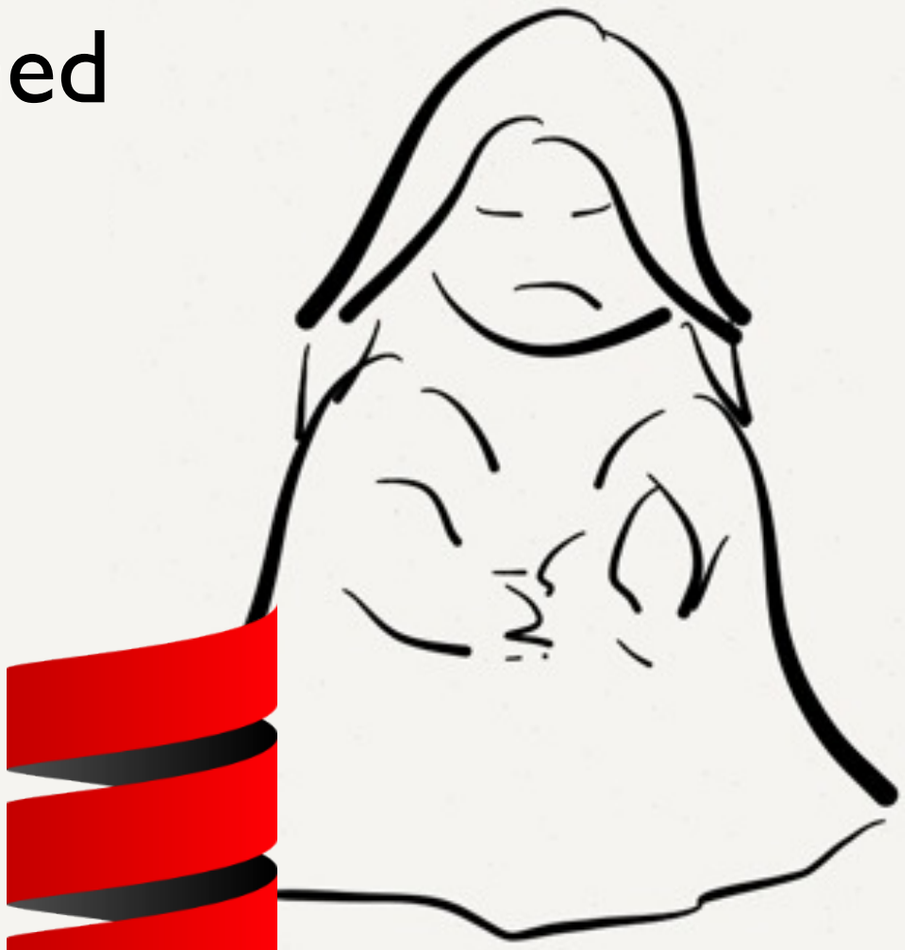


Come to the
dark side...



Oh this is a good look for me...

And what happened
to your face!?



Episode IV -
A New Hope

Empire

Messaging

Web

Configuration

Calls

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Day 2

Day 1

Messaging

Web

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Day 1

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"Code that makes you £"

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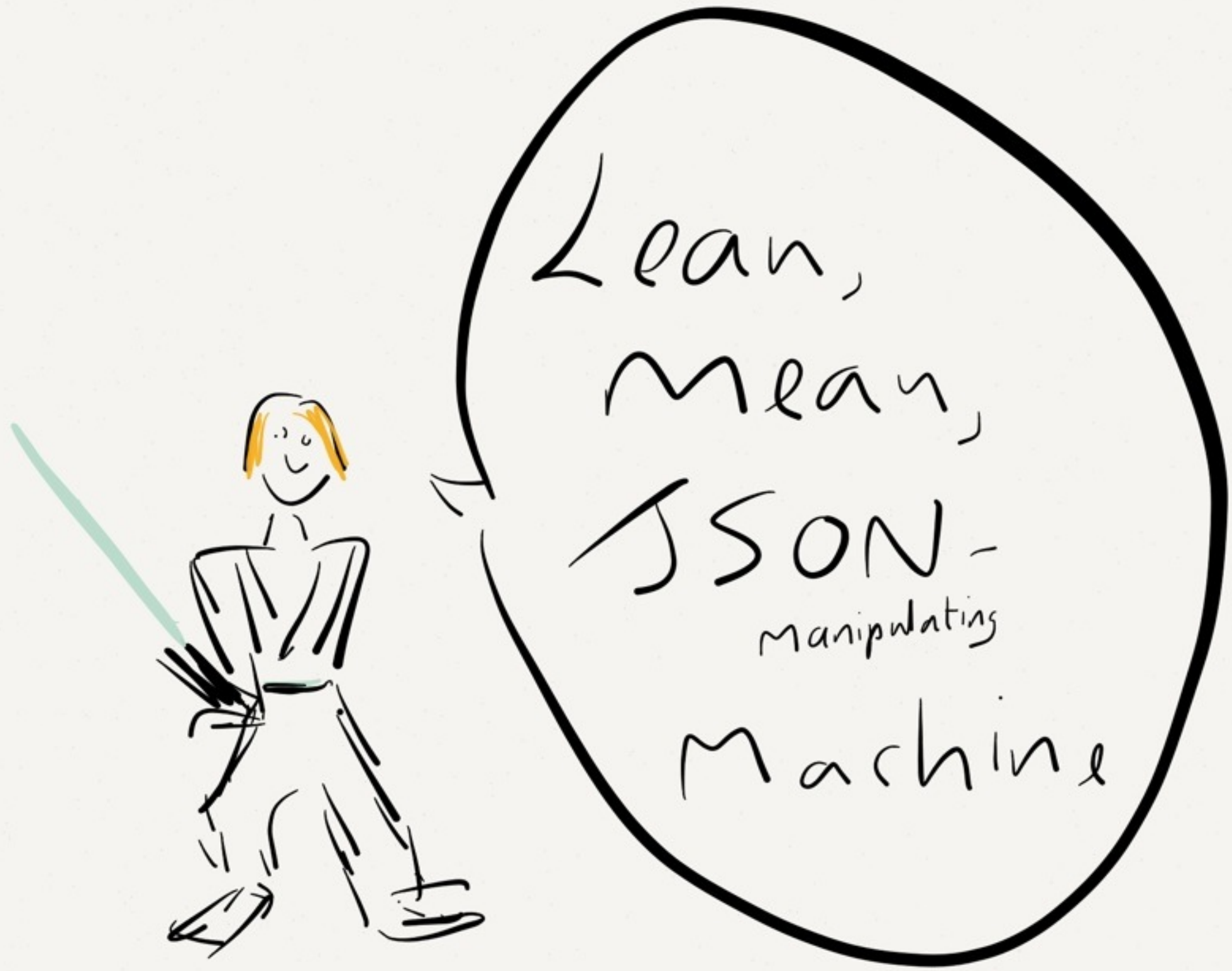
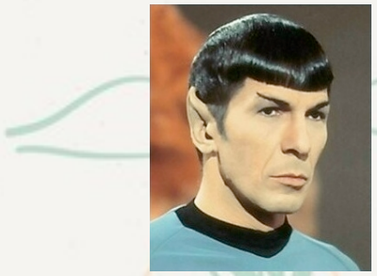

Lean,
mean,
JSON-
manipulating
machine

Here to test you I am

Hang on...

Well, we discussed it
and... this was
simpler

Actually, it gets worse...



Groovy

Darth Vader (Anakin 2.0)
gets suspicious...

You should be ... fatter

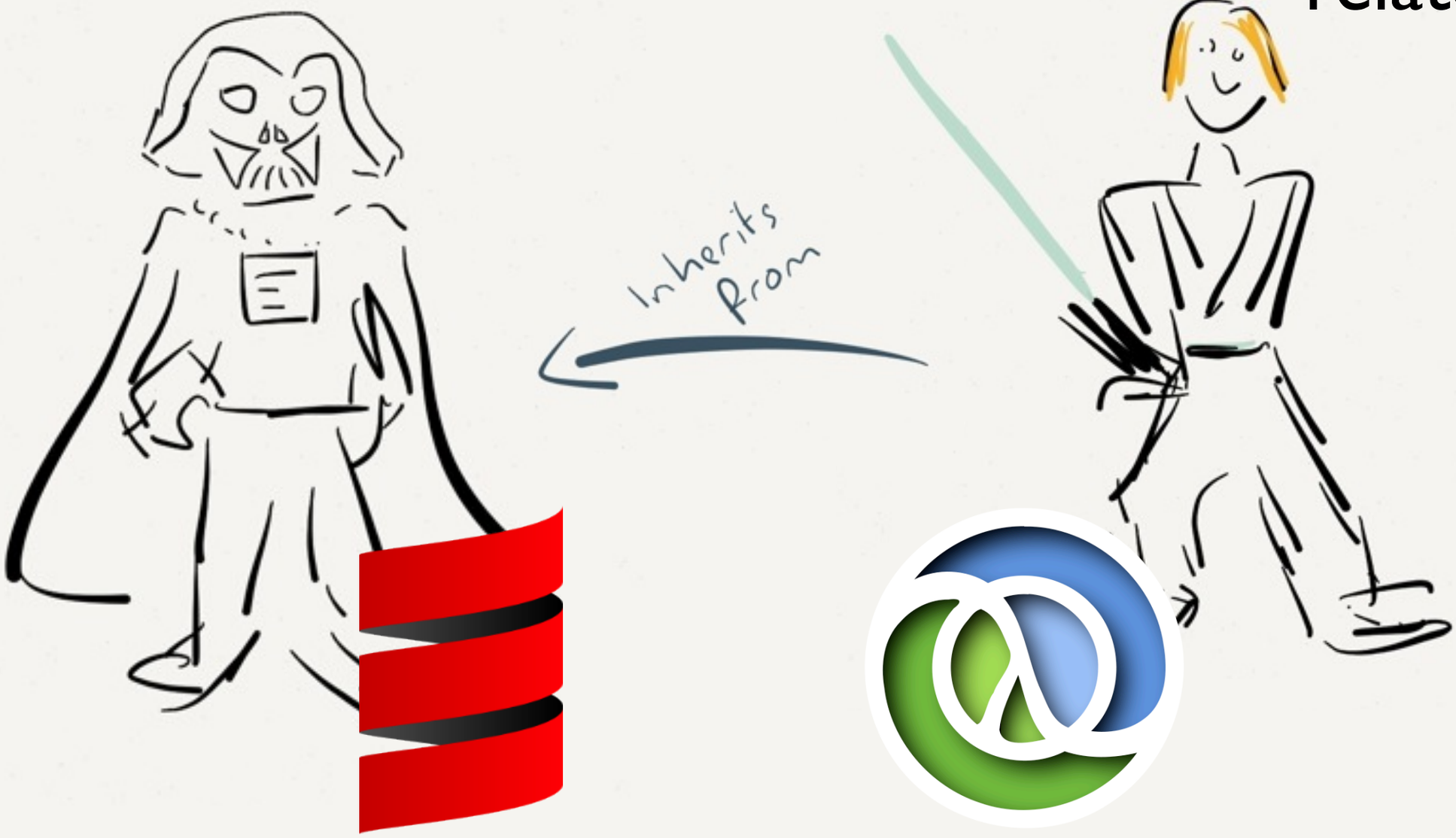
You should be ... looser

Show me your source...

Umm...

Oh No!!!

We're still related...



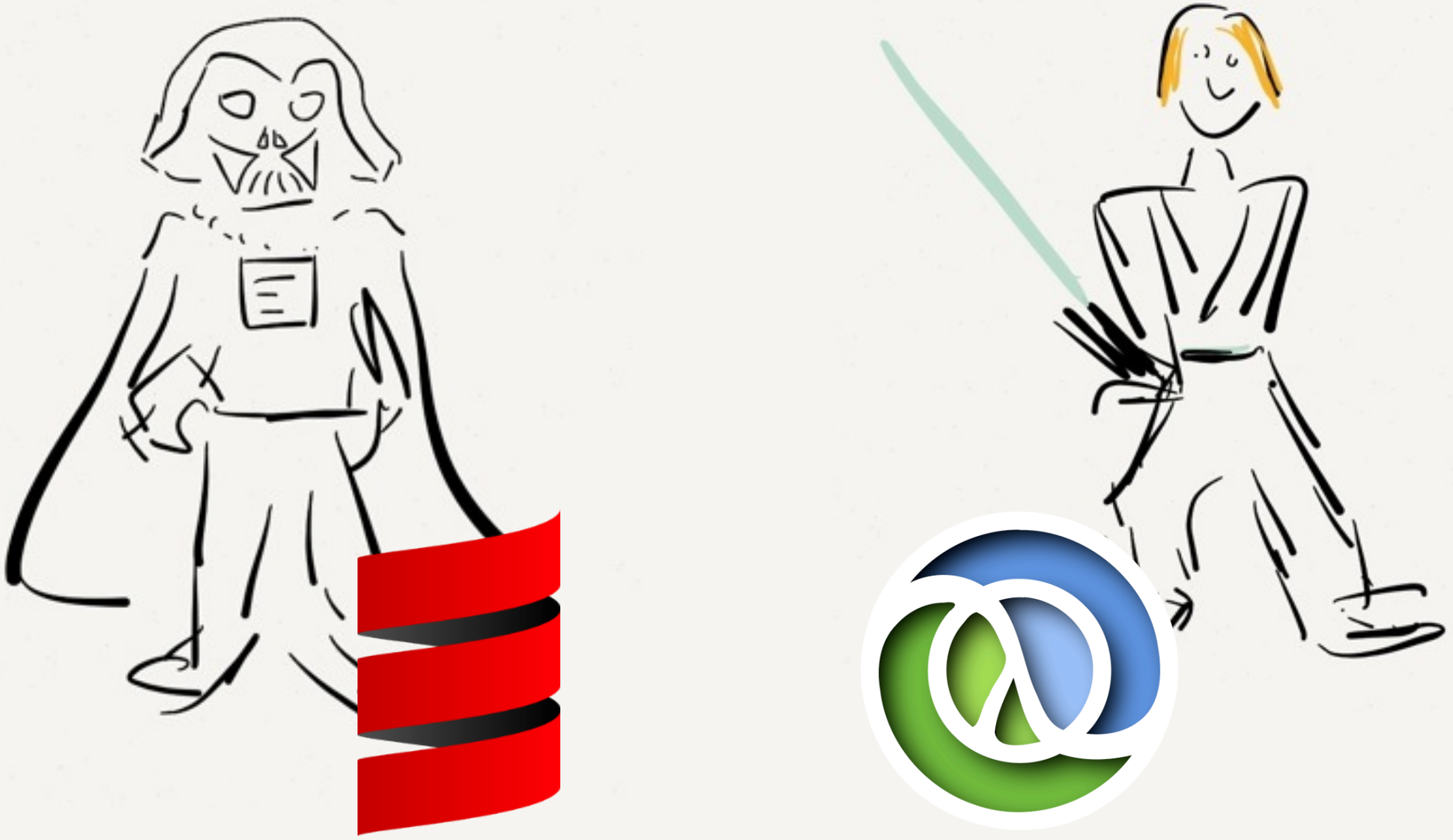
Type Safety!?
Actors/
Monads!?

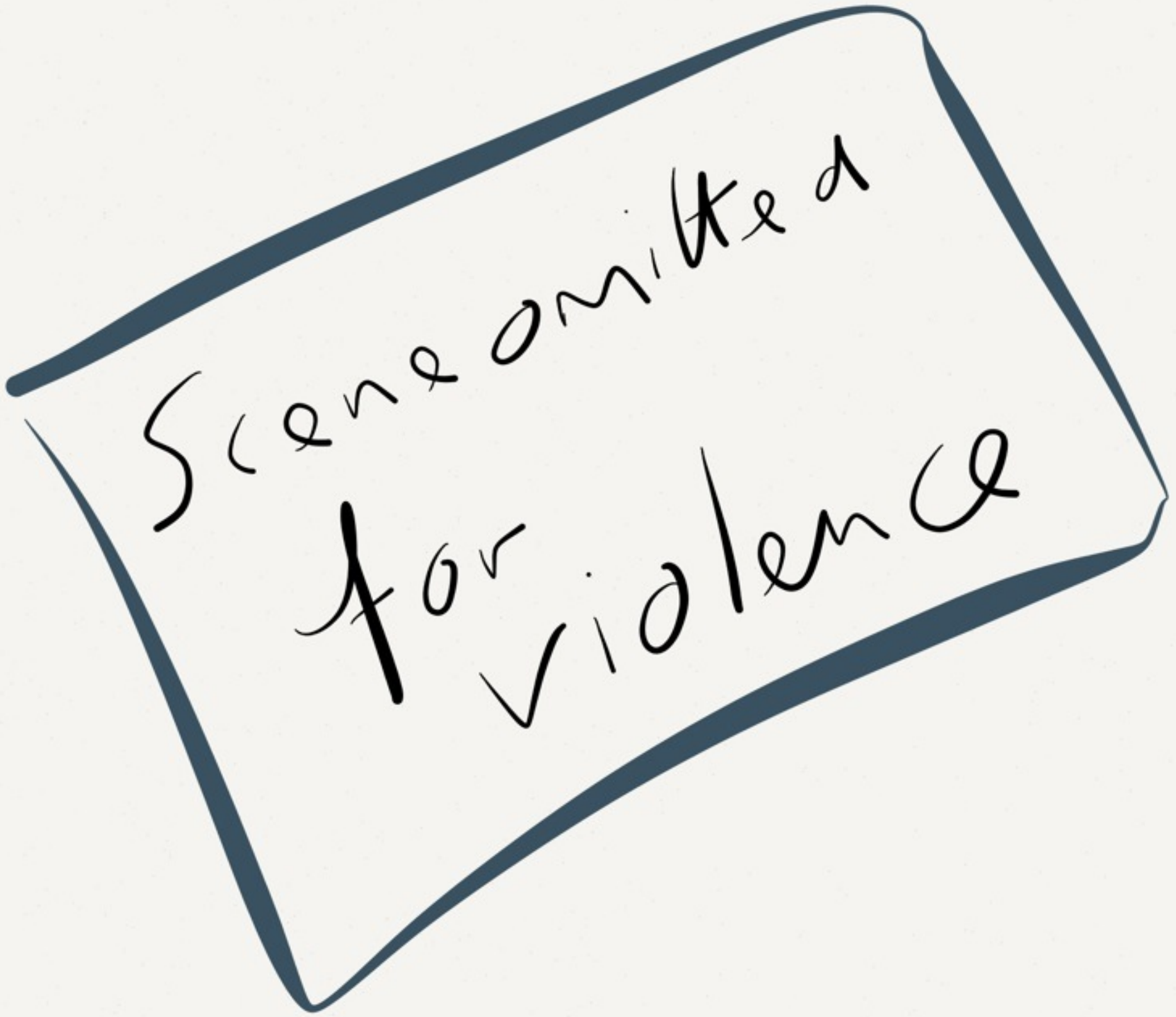
Values,
STM...

Simplicity!

I can sense the
conflict in you father

Noooooooooooo!




Screenomics
for violence

Stop! Chill... It's ok

What really matters?

NOT language

Simplicity

Simple Components/ Functions

Simple, Data-Driven APIs

Enhanced Comprehension

Agile Software

Why?

“The Elephant in the Standup”

Epilogue

Organise

Reduce

Simplicity

Hide

Repurposable

Substitutable

Simple

Component

Movable

Extendable

Combinable

Simple solution

Launch spike!!

Choose language

per concern

Contrast + Compare

NOT WAR.

Practical Simplicity in Software

Book
Course

Simplicity in Architecture & Design

Simplicity in Testing

Clojure & Lisping

You are here!!

Simplicity in Code

Simplicity in Process Change

Building the right thing

Simplicity in Reqs

Thank-you

russell.miles@simplicityitself.com
@russmiles

Simplicity *itself*

Thank-you

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Simplicity *itself*